

Uninterruptible Power Supplies



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PGR/PGT1500 to PGR/PGT3000 Series 1500 & 3000VA Rack Mount or Tower

Features

- Common Neutral design, Double Conversion Topology (Output Neutral to Input Neutral is common)
- Wide Range Input and Input Power Factor Correction
- Low Noise Smart Cooling Fan Design
- High Efficiency, New Full-bridge Inverter Design
- Smart backup time estimation, LCD display model (LCD standard LED display model optional)
- Adjustable floating charging voltage
- Generator compatible
- Automatic restart of loads after UPS shutdown
- Smart Battery Management
- Network manageable SNMP card (optional)
- Remote Emergency Power Off (optional)



PGR SERIES



PGT SERIES

SPECIFICATION				
MODEL (Rack)	PGR1500-230 LCD	PGR3000-230 LCD	PGR1500-115 LCD	PGR3000-115 LCD
MODEL (Tower)	PGT1500-230 LCD	PGT3000-230 LCD	PGT1500-115 LCD	PGT3000-115 LCD
RATING VA(Watts)	1500VA (1350W)	3000VA (2400W)	1500VA (1350W)	3000VA (2400W)
INPUT				
Nominal Voltage AC	200V/220V/230V/240V selectable		100V/110V/150V/120V selectable	
Voltage Range AC	50V to 143V*		100V to 285V*	
Input Frequency	Under frequency converter mode 47-70Hz			
Auto-bypass Range	±11% of selected output voltage			
Power Factor	≥0.99			
Battery				
Battery Type	Maintenance free sealed, valve regulated, lead acid, 12V 7Ah or 12V 9Ah, 5 year or 10 year life			
Battery Voltage	1500VA 36V (3 x 12V), 3000VA 72V (6 x 12V)			
Back Up (50% load)	1500VA 8 minutes, 3000VA 9 minutes (depends on batteries fitted)			
Back Up (90% load)	1500VA 3 minutes, 3000VA 4 minutes (depends on batteries fitted)			
Charging Method	CC+CV with trickle charging 13.2-13.9 adjustable			
Recharge Time	7 hours to 90%			
Protection	Over current protection, over charging voltage protection			
Monitoring	Smart monitoring for failed battery. Auto detect when power on and repeat every 6 days			

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SPECIFICATION (CONT.)				
MODEL (Rack)	PGR1500-230 LCD	PGR3000-230 LCD	PGR1500-115 LCD	PGR3000-115 LCD
MODEL (Tower)	PGT1500-230 LCD	PGT3000-230 LCD	PGT1500-115 LCD	PGT3000-115 LCD
RATING VA(Watts)	1500VA (1350W)	3000VA (2400W)	1500VA (1350W)	3000VA (2400W)
OUTPUT				
Output Voltage	200V/220V/230V/240V selectable		100V/110V/150V/120V selectable	
Voltage Waveform	Pure Sine Wave			
Crest Factor	3:1			
Output Frequency (sync to AC input)	Auto Detect for 50/60Hz (when power on) 50±2Hz or 60±2Hz			
Output Frequency (not sync to AC input)	50±0.1Hz or 60±0.1Hz (frequency converter mode)**			
Regulation	±2% of selected output voltage (adjustable by using the setting software)			
Transfer Time	AC to DC: zero Inverter to bypass: 4mS typical			
Overload Protection	>100% overload alarm 100-115% for 60 seconds, then transfer to bypass mode 115-135% for 10 seconds, then transfer to bypass mode >135% for 2 seconds, then transfer to bypass mode If bypass mode is not available then UPS will shutdown output power			
Harmonic Distortion	< 3% (at full resistive load)			
AC Mode Efficiency	Up to 92%		Up to 90%	
COMMUNICATIONS & MANAGEMENT				
Standard Interface Port	UPSilon compatible: RS232+USB, optional for RJ45			
Optional Interface Port	DB9, SNMP Card			
Control Panel	LCD Standard, optional LED			
Audible Alarm	On battery alarm, Low battery alarm Alarm for abnormal operation: indicates over load, short circuit or over temperature			
Estimation of back up time	supported with LCD display version			
Green Mode Function	1% to 14% of full load (adjustable with remote set up software) Default setting OFF			
ENVIRONMENTAL, SAFETY & EMC				
Operating Temperature	0 to 40°C up to 1500 metres			
Storage Temperature	-15 to +55°C			
Relative Humidity	5-95% non condensing			
Operating Altitude	0 to 3000 metres			
Audible Noise	≤45dBA (at 1 metre from surface of unit)			
Safety Markings	BSMI for 115V version, CE for 230V version			
EMC	EN50091-2 Class B, FCC part 15 Class B, IEC1000-2-2			
MECHANICAL				
Dimensions (unit/shipping)	Tower: 1500VA Model: 45D x 20H x 18W cm / 54D x 33H x 30W cm 3000VA Model: 51D x 20H x 18H cm / 61D x 33H x 30W cm Rack: 1500VA 2U x 43D cm / 22.5 x 61 x 55cm 3000VA 2U x 51D cm / 22.5 x 61 x 63cm			
Weight: Net/Gross	Tower: 1500VA Model: 14/16 Kg, 3000VA Model: 23/25 Kg Rack: 1500VA Model: 18/20 Kg, 3000VA Model: 27/29 Kg			

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Note: * Derate the capacity when I/P voltage is between 50-90VAC or 100-180VAC

** Derate to 80% of the capacity when in frequency converter mode

